

Product datasheet for **SC324875**

LGALS12 (NM_001142537) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LGALS12 (NM_001142537) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGALS12
Synonyms:	GAL12; GRIP1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001142537, the custom clone sequence may differ by one or more nucleotides ATGGTCATGCTGCAAGGAGTGGTCCCTCTAGATGCACACAGGTTTCAGGTGGACTCCAG TGTGGCTGCAGCCTGTGTCCCGGCCAGATATCGCCTTCCAACCTCGCTCCAT ACCACCAAGCCCCATGTCATCTGCAACACCCTGCATGGTGGACGCTGGCAAAGGGAGGCC CGGTGGCCCCACCTGGCCCTGCGAAGAGGCTCCAGCTTCTCATCCTCTTTCTCTCGGG AATGAGGAAGTGAAGGTGAGTGTGAATGGACAGCACTTCTCCAACCTCCGCTACCGGCTC CCACTGTCTCATGTGGACAGCTGGGTATATTTGGTGACATCCTGGTAGAGGCTGTTGGA TTCTGAAATCAATCCATTTGTGGAGGGCAGCAGAGGTACCCAGCTGGACATCCTTTTC CTGCTGATGAGCCCCAGGCTGGAGGTGCCCTGCTCACATGCTTCCCCAGGGTCTCTCG CCTGGGCAGGTATCATAGTACGGGGACTGGTCTTGCAAGAGCCGAAGCATTTTACTGTG AGCCTGAGGGACCAGGCTGCCCATGCTCCTGTGACACTCAGGGCCTCCTTCGCAGACAGA ACTCTGGCCTGGATCTCCCGCTGGGGCAGAAAGAACTGATCTCAGCCCCCTTCTCTTT TACCCCAAGAGATTCTTTGAGGTGCTGCTCCTGTTCCAGGAGGGAGGGCTGAAGCTGGCG CTCAATGGGCAGGGGCTGGGGCCACCAGCATGAACCAGCAGGCCCTGGAGCAGCTGCGG GAGCTCCGGATCAGTGAAGGTGCCAGCTCTACTGTGTCCACTCC
Restriction Sites:	Please inquire
ACCN:	NM_001142537
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001142537.1](#), [NP_001136009.1](#)

RefSeq Size: 1823 bp

RefSeq ORF: 828 bp

Locus ID: 85329

UniProt ID: [Q96DT0](#)

Cytogenetics: 11q12.3

Gene Summary: This gene encodes a member of the galectin superfamily, a group of beta-galactoside-binding proteins with conserved carbohydrate recognition domains. The related mouse protein is a primary regulator of the early stages of adipose tissue development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, May 2010]

Transcript Variant: This variant (4) differs in the 5' UTR, uses an alternate in-frame splice site in the 5' coding region, and initiates translation from a downstream start codon, compared to variant 1. The resulting protein (isoform 4) is shorter compared to isoform 1.